

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L7	20	"KURAKANE, HIROSHI"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/15 13:52
L8	27615	"NEC CORPORATION"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/15 13:52
L11	1	I8 and (((frequency" adj ("multiplication" or "division") adj circuit\$1) with "ratio") with ((n" or "N") with ("positive" adj "integer")))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/15 14:02
L12	2	((("frequency" adj ("multiplication" or "division") adj circuit\$1) with "ratio") with ((n" or "N") with ("positive" adj "integer"))))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/15 13:57
L13	26	((("frequency" adj ("multiplication" or "division")) with "ratio") with ((n" or "N") with ("positive" adj "integer"))))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/15 13:57
L14	13	I13 and ((clock" with control\$3) with ("frequency" with circuit\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/15 14:03
L15	4747	375/376	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/15 14:01
L16	0	I15 and (((frequency" adj ("multiplication" or "division") adj circuit\$1) with "ratio") with ((n" or "N") with ("positive" adj "integer"))))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/15 14:03
L17	1832	331/16	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/15 14:02
L18	0	I17 and (((frequency" adj ("multiplication" or "division") adj circuit\$1) with "ratio") with ((n" or "N") with ("positive" adj "integer"))))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/15 14:03
L19	2520	327/158	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/15 14:03

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L20	0	I19 and (((("frequency".adj ("multiplication" or "division") adj circuit\$1) with "ratio") with ("n" or "N") with ("positive" adj "integer"))))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/15 14:09
L21	4	"6346833"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/15 14:09
L22	2616	713/320	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/15 14:09
L23	0	I22 and (((("frequency" adj ("multiplication" or "division") adj circuit\$1) with "ratio") with ("n" or "N") with ("positive" adj "integer"))))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/15 14:09

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"with" is a very common word and was not included in your search. [\[details\]](#)

## Patents

Patents 1 - 10 on ratio frequency multiplication with positive integer. (0.25 seconds)

### Frequency multiplier circuit

US Pat. 6346833 - Filed Aug 18, 2000 - OKI Electric Industry Co., Ltd.

A method of **frequency multiplication** comprising: dividing a **frequency** of a ...  
wherein n is a **positive integer**; counting a number of pulses Y in the divided ...

### Phase locked loop circuit with high stability having a reset signal generating circuit

US Pat. 6066988 - Filed Aug 14, 1998 - NEC Corporation

By such a function, the PLL circuit can output the output clock signal which has the **frequency N** (N is a **positive integer**) times more than the **frequency** of ...

### Digital open loop programmable frequency multiplier

US Pat. 4244027 - Filed Mar 19, 1979 - RCA Corporation

The **multiplication factor** is the **ratio** of the frequencies of the two reference ...  
... to multiply by any **positive real number** whether or not of **integer** value. ...

### Digital frequency multiplier

US Pat. 4339722 - Filed May 20, 1980 - Micro Consultants Limited

1 and to rely on the modifiers to provide the desired **ratio** for N. In ...  
second path to allow a **multiplication rate** selected to be other than an **integer**. ...

### Frequency generation for multiplexed analog component color television encoding and decoding

US Pat. 4652903 - Filed Sep 21, 1984 - Scientific Atlanta, Inc.

Nevertheless, neither compression **ratio** is so high that an unacceptably ...

Because no **frequency multiplication** is involved (which would be the case if ...)

### Integrated circuit and method for low noise frequency synthesis

US Pat. 6107891 - Filed May 6, 1999 - Applied Micro Circuits Corporation

Preferably, the **positive integer** is 2. The preferred embodiment of the **frequency** multiplier, which multiplies the **frequency** of the reference signal by 2, ...

### Video system for conveying digital and analog information

US Pat. 3984624 - Filed Jul 25, 1974 - Weston Instruments, Inc.

Divider 14 is selected to provide an negative-going ramp for a negative average level, as even-integer division **ratio** so that there will always be shown ...

### Carrier frequency error detector capable of accurately detecting a carrier frequency error

US Pat. 5276710 - Filed Jul 30, 1992 - NEC Corporation

(2) EMBODIMENT In order to detect the carrier **frequency** error ft in the ...  
m ined **integer** N is usually equal to 2m where m represents a **positive integer**. ...

### Method and apparatus for deriving pseudo range from earth-orbiting satellites

US Pat. 4797677 - Filed May 19, 1986 - Istan, Incorporated

10 shows **integer** generator 118 in more detail, five-sixths of a wavelength, XL,  
... The outputs of phase detector 134 and a **frequency** counter 136. ...

BOLIE

US Pat. 2829255 - Filed Oct 10, 1955

A **frequency** synthesizer system including harmonic generating means for ...

R being the radix of the digital system, and M being a **positive integer**; ...

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